UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO., LTD.;
SAMSUNG ELECTRONICS AMERICA, INC.,
Petitioner

v.

OURARING, INC.
Patent Owner.

Case No. IPR2024-00928
U.S. Patent No. 9,582,034

PETITIONER'S UPDATED LIST OF EXHIBITS

LIST OF EXHIBITS[1]

Ex. No.	Description
Ex-1001	U.S. Patent No. 9,582,034 ("the '034 Patent")
Ex-1002	Declaration of Dr. Brian W. Anthony
Ex-1003	Curriculum Vitae of Dr. Brian W. Anthony
Ex-1004	Prosecution History of the '034 Patent (Application No. 15/556,062)
Ex-1005	U.S. Patent Publication No. 20120016245 to Niwa ("Niwa")
Ex-1006	U.S. Patent No. 8,954,135 to Yuen ("Yuen")
Ex-1007	U.S. Patent No. 10,303,867 to Schröder ("Schröder")
Ex-1008	Certified Translation of DE 102013012339.9 to Schröder
Ex-1009	Original DE 102013012339.9 to Schröder
Ex-1010	U.S. Patent Publication No. 20140244009 to Mestas ("Mestas")
Ex-1011	U.S. Provisional Patent Application No. 61/768,279 to Mestas
Ex-1012	U.S. Patent No. 8,700,111 to LeBoeuf ("LeBoeuf")
Ex-1013	U.S. Patent Publication No. 20120218184 to Wissmar ("Wissmar")
Ex-1014	INTENTIONALLY LEFT BLANK
Ex-1015	INTENTIONALLY LEFT BLANK
Ex-1016	INTENTIONALLY LEFT BLANK
Ex-1017	INTENTIONALLY LEFT BLANK

[1] Four-digit pin citations that begin with 0 are to the branded numbers added by Samsung in the bottom right corner of the exhibits. All other pin citations are to original page, column, paragraph, or line numbers.

Ex. No.	Description
Ex-1018	INTENTIONALLY LEFT BLANK
Ex-1019	INTENTIONALLY LEFT BLANK
Ex-1020	Claim Mapping Table
Ex-1021	INTENTIONALLY LEFT BLANK
Ex-1022	Parallel Citations (Schröder '867 to Certified Translation of DE 102013012339.9)
Ex-1023	INTENTIONALLY LEFT BLANK
Ex-1024	U.S. Patent No. 4,830,014 to Goodman ("Goodman")
Ex-1025	U.S. Patent No. 6,745,061 to Hicks ("Hicks")
Ex-1026	U.S. Patent No. 7,190,986 to Hannula ("Hannula")
Ex-1027	Volker Konig et al., *Reflectance Pulse Oximetry – Principles and Obstetric Application in the Zurich System*, 14 Journal of Clinical Monitoring (Aug. 1998) ("Konig")
Ex-1028	U.S. Patent No. 6,608,562 to Kimura ("Kimura")
Ex-1029	Kevin K. Tremper et al., *Pulse Oximetry*, 70 Journal of American Society of Anesthesiologists, Inc. (Jan. 1989) ("Tremper")
Ex-1030	Y. Mendelson et al., *A Wearable Reflectance Pulse Oximeter for Remote Physiological Monitoring*, Proceedings of 28th IEEE EMBS Annual International Conference (Aug. 30-Sept. 3, 2006) ("Mendelson 2006")
Ex-1031	Sokwoo Rhee et al., *Artifact-Resistant, Power-Efficient Design of Finger-Ring Plethysmographic Sensors Part I: Design and Analysis*, IEEE (2000) ("Rhee 2000 Part I")
Ex-1032	Sokwoo Rhee et al., *Artifact-Resistant, Power-Efficient Design of Finger-Ring Plethysmographic Sensors Part II: Prototyping and Benchmarking*, IEEE Proceedings of 22nd Annual EMBS Int'l Conference (July 23-28, 2000) ("Rhee 2000 Part II")

Ex. No.	Description
Ex-1033	Sokwoo Rhee et al., *Artifact-Resistant Power-Efficient Design of Finger-Ring Plethysmographic Sensors*, 48 IEEE Transactions of Biomedical Engineering (July 2001) ("Rhee 2001")
Ex-1034	U.S. Patent No. 6,699,199 to Asada ("Asada '199")
Ex-1035	Sokwoo Rhee, *Design and Analysis of Artifact-Resistive Finger Photoplethysmographic Sensors for Vital Sign Monitoring*, MIT (June 2000) ("Rhee Thesis 2000")
Ex-1036	C.T. Olofson et al., *Machining of Titanium Alloys* (1965) ("Olofson")
Ex-1037	H. Harry Asada et al., *Mobile Monitoring with Wearable Photoplethysmographic Biosensors*, IEEE Engineering in Medicine & Biology Magazine 28 (May-June 2003) ("Asada 2003")
Ex-1038	Denisse Castaneda et al., *A review on wearable photoplethysmography sensors and their potential future applications in health care*, Int J Biosens Bioelectron (2018)
Ex-1039	U.S. Patent No. 7,468,036 to Rulkov et al. ("Rulkov")
Ex-1040	U.S. Patent Publication No. 2006/0211924 to Dalke et al. ("Dalke")
Ex-1041	*Guidelines To Enhancing The Heart-Rate Monitoring Performance Of Biosensing Wearables* (2014)
Ex-1042	U.S. Patent No. 4,880,304 to Jaeb et al. ("Jaeb")
Ex-1043	Tom Lister et al., *Optical Properties of human skin*, Journal of Biomedical Optics (2012)
Ex-1044	John G. Webster, *Design of Pulse Oximeters*, CRC Press (1997)
Ex-1045	U.S. Patent Publication No. 20130211291 to Tran ("Tran")
Ex-1046	WO 2001/017421A1 to Lindberg ("Lindberg")
Ex-1047	WO 2011/132009 to Nyiradi ("Nyiradi")

Ex. No.	Description
Ex-1048	U.S. Patent Application Publication No. 2014/0361945 to Misra et al. ("Misra")
Ex-1049	U.S. Patent Application Publication No. 2014/0361934 to Ely et al. ("Ely")
Ex-1050	European Patent No. 2281205 (Chen)
Ex-1051	Lawrence K. Au et al., *Episodic Sampling: Towards Energy-Efficient Patient Monitoring with Wearable Sensors*, Annual International Conference of the IEEE Engineering in Medicine and Biology Society (2009)
Ex-1052	Anastasios Petropoulos et al., *Flexible PCB-MEMS flow sensor*, Procedia Engineering 47 236-239 (2012) ("Petropoulos")
Ex-1053	Tianjia Sun et al., *Wireless Power Transfer for Medical Microsystems*, Springer (2013) ("Sun")
Ex-1054	U.S. Patent Pub. No. 2014/0187160 to Prencipe ("Prencipe")
Ex-1055	H. Ardebili and Michael G. Pecht, *Encapsulation Technologies for Electronic Applications*, William Andrew (2009) ("Ardebili")
Ex-1056	Ciprian Ciofu et al., *Injection and Micro Injection of Polymeric Plastics Materials: A Review*, Int'l J. Modern Mfg. Techs. 49 (2013)
Ex-1057	Richard J. Ross, *LCP Injection Molded Packages—Keys to JEDEC 1 Performance*, IEEE, 2004 Electronic Components and Technology Conference 1807 (2004)
Ex-1058	Tadamoto Sakai, *Encapsulation Process for Electronic Devices Using Injection Molding Method*, 12 Advances in Polymer Technology 61 (1993)
Ex-1059	N.J. Teh et al., *Embedding of Electronics within Thermoplastic Polymers using Injection Moulding Technique*, IEEE, 2000 Int'l Electronics Manufacturing Technology Symposium 10 (2000)

Ex. No.	Description
Ex-1060	U.S. Patent No. 6,201,698 to Hunter ("Hunter")
Ex-1061	U.S. Patent No. 4,012,629 to Simms ("Simms")
Ex-1062	PGR2024-00039, Ex-2018 ('702 Decl.)
Ex-1063	PGR2024-00030, Ex-2018 ('178 Decl.)
Ex-1064	INTENTIONALLY LEFT BLANK
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Ex-1076	INTENTIONALLY LEFT BLANK
Ex-1077	INTENTIONALLY LEFT BLANK
Ex-1078	INTENTIONALLY LEFT BLANK
Ex-1079	Dr. Anthony's Supplemental Declaration
Ex-1080	INTENTIONALLY LEFT BLANK

Ex. No.	Description
Ex-1081	Patrick P. Mercier, Ph.D. Deposition Transcript Volume 1, dated June 24, 2025
Ex-1082	Patrick P. Mercier, Ph.D. Deposition Transcript Volume 2, dated June 25, 2025
Ex-1083	Declaration of Khanh Leon in Support of Petitioner's Motion for Pro Hac Vice Admission Pursuant to 37 C.F.R. §42.10(c)
Ex-1084	Declaration of Argirenia Zervos in Support of Petitioner's Motion for Pro Hac Vice Admission Pursuant to 37 C.F.R. §42.10(c)
Ex-1085	Petitioner's Demonstratives

Respectfully Submitted,

/s/ William M. Fink
William M. Fink (Reg. No. 72,332)

CERTIFICATE OF SERVICE

I hereby certify that on September 9, 2025, I caused a true and correct copy of the foregoing PETITIONER'S UPDATED LIST OF EXHIBITS to be served electronically on counsel for Patent Owner at the following addresses:

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